

Investigation of the...

S/048/62/026/005/002/022
B102/B104

(4) at sea level, the muon contribution is ~70% ($\sim 10^3$ particles) and ~50% ($\sim 2 \cdot 10^4$ particles). The burst spectrum was found to depend greatly on the area of the measuring arrangement. With $2 \cdot 10^3 - 2 \cdot 10^5$ particles, γ goes over from 1.37 ± 0.02 for $(330 \text{ cm})^2$ to 1.99 ± 0.05 for $10 \cdot 330 \text{ cm}^2$. The spectrum of bursts with a π^0 energy transfer of $3 \cdot 10^{11} - 10^{13}$ ev agrees with that of nuclear-active particles, and exhibits no "breaks". When particles with $E > 10^{12}$ ev interact with light nuclei in about 10% of the events, the interaction is completely inelastic, and the π^0 energy transfer amounts to 60 - 80% of the primary-particle energy. Such interactions obviously play a significant role in the formation of extensive air showers with at least $10^4 - 10^5$ particles. There are 8 figures and 7 tables.

Card 3/4 3

MASSAL'SKIY, Ye.K.

Experimental study of the performance of a flexible beam on a sandy
base. Osn., fund. i mekh.grun. 6 no.6:2-4 '64.

(MIRA 18:1)

VERTSMAN, G.Z., kand. tekhn. nauk; PANTELEYEV, P.I., kand. tekhn. nauk; GOMOLYAKO, I.M.; TAL', K.K.; GUSEVA, K.G.; LUGOVOY, P.A.; MASSAN, A.M.; GALKIN, N.V.; SAPRYGINA, G.M.; CHESNOKOV, D.S.; DROZDKOV, V.I.; IZYUMOV, P.S.; ZAK, B.O.; KOROGID, P.Ye.; MAKSIMOVICH, L.N.; ZBOROVSKAYA, M.I.; PAVLOVSKAYA, S.A.; BORISOV, A.V.; SELIVANETS, N.Ye.; ITKES, V.M.; YATSKEVICH, Ya.D.; KOZYRSKIY, N.P.; NIKITIN, V.D.; NEKLEPAYEVA, Z.A., inzh., red.; MEDVEDEVA, M.A., tekhn.red.

[Design and planning of railroad stations and junctions]
Proektirovaniye zheleznodorozhnykh stantsii i uzlov; spravochnoe i metodicheskoe proizvodstvo. Moskva, Transzheldorizdat, 1963. 443 p. (MIRA 16:12)

1. Nauchno-issledovatel'skiy institut transportnogo stroitel'stva (for Guseva). 2. Gosudarstvennyy institut tekhniko-ekonomicheskikh izyskaniy i proyektirovaniya zheleznodorozhnogo transporta (for Zak). 3. Kiyevskiy gosudarstvennyy proyektno-izyskatel'skiy institut (for Kozyrskiy). 4. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta Im. I.V. Stalina (for Nikitin).

(Railroad engineering)

MASSAN, S.K.

Laryngostroboscopic picture in fatigue in singing exercises. Vest.
otorinolar., Moskva 15 no.3:66-71 May-June 1953. (GIML 25:1)

1. Of the Phoniatric Laboratory of Kiev Order of Lenin State Conservatory.

MASSAN, Yu., brigadir

Help should be given. WFO no.8:25-26 Ag '59.

(MIRA 12:11)

1. Brigada kommunisticheskogo truda zavoda "Kalibr," Moskva.
(Moscow--Machine-tool industry)

MASSANYI, Karoly, okleveles mérnök

Shearing stresses on excentrically loaded and asymmetric bent beams.
Melyepitestud szemle 12 no.9:394-401 S '62.

1. Ganz-MAVAG Hidgyar fomernoke.

BEKENY, Gyorgy, dr.; MASSANYI, Lajos, dr.; PINTER, Jozsef, dr.

Myositis fibrosa. Successful treatment of a case with severe contractures of the lower extremity with steroid hormones and surgery. Orv. hetil. 102 no.43:2041-2046 22 0 '61.

1. Budapesti Orvostudományi Egyetem, Neurologiai Klinika és Orthopaediai Klinika.

(FIBROSITIS ther) (STEROIDS ther)

FERNBACH, Jozsef, dr.; MASSANYI, Lajos, dr.; PINTER, Jozsef, dr.

The significance of paper electrophoresis serum protein in the diagnosis of bone neoplasms. Orv. hetil. 104 no,35: 1647-1649 1 S '63.

1. Budapesti Orvostudományi Egyetem, Orthopaediai Klinika.
(BONE NEOPLASMS)
(BLOOD PROTEIN ELECTROPHORESIS)
(PLASMOCYTOMA) (GIANT CELL TUMORS)
(SARCOMA, OSTEOGENIC) (CHONDROSARCOMA)

HUNGARY

MASSANYI, Lajos, Dr., and HORVATH, Ferenc, Dr; Orthopedics Clinic of Budapest Medical University (director: Prof Dr Andor GLAUBER)

"Experience with Abrodyl Myelography in the Diagnosis of Lumbar Hernia of the Intervertebral Disc"

Budapest, Magyar Radiologia, Vol 18, No 3, Jun 66, pp 141-150

Abstract [authors' Russian, English and German summaries, modified]: On the basis of an examination of 68 patients suffering from hernia of the intervertebral disc (verified also by surgery), the authors discuss the results of myelography performed with abrodyl. Using a Universal Planigraph with quadrilateral tubes, the roentgenograms were obtained in sagittal and tangential ray directions. Medication is recommended to reduce the side effects. In 92 percent of the cases, the results of lumbar myelography were identical with the findings during surgery. Three Soviet-bloc and 12 Western refs.

1/1

MASSANYI, S.; GESCHEIDT, R.

Testing the wearing stability of sized yarns. p. 176.

TEXTIL. (Ministerstvo lehkeho prumyslu) Praha, Czechoslovakia. Vol. 14, no. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 10, Oct. 1959. Uncl.

SPIVAK, G. V.; SAPARIN, G. V.; MASSARANI, B.; BYKOV, M. V.

"Der Kontrast des Bildes des p-n Überganges in dem Rasterelektronenmikroskop."

report submitted to 3rd European Regional Conf, Electron Microscopy, Prague,
26 Aug-3 Sep 64.

MASSARSKIY, A.

Boxes for underwater photography. Sov.foto 20 no.3:28-29 Mr '60.
(Photography, Underwater--Equipment and supplies)

MASSARSKIY, A.

Box for the submarine motion-picture camera. Sov. foto 21
no. 2:33-35 F '61. (MIRA 14:2)

(Motion-picture cameras) (Photography, Submarine)

MASSARSKIY, A.

Case for the exposure meter. Sov.foto 21 no.4:26 Ap '61.
(MIRA 14:3)
(Photography, Submarine--Equipment and supplies)

MASSARSKIY, A.

Light under water. Sov. foto 22 no.7:40-41 JI '62.
(Photography--Submarines)

(MIRA 16:4)

ACC NR: AP6032539

SOURCE CODE: UR/0413/66/000/017/0150/0151

INVENTOR: Massarskiy, A. S.

ORG: none

TITLE: Automatic device for equalizing pressure inside sealed shells to correspond to the pressure of the surrounding medium. Class 65, No. 185720

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 150-151

TOPIC TAGS: ~~automatic pressure regulator~~, pressure regulator, automatic pressure control, ~~pressure~~ reduction valve, *high pressure valve*

ABSTRACT: An Author Certificate has been issued for an automatic device for equalizing the pressure inside sealed shells such as used for housing underwater movie cameras, to correspond to the pressure of the surrounding medium. It consists of a reduction valve connected to a compressed air tank and a control unit. For more dependable operation it is mounted in the wall borings of the shell and its vent is installed in the spout of the shell. The control unit of the reduction vent activates a piston, which is connected on one side with the outside medium and on the other side with the inner space of the shell. Orig. art. has: 2 figures.

SUB CODE: 13/ SUBM DATE: 29Jan65

Card 1/1

UDC: 629.128.2/7

MASSARSKIY, Aleksandr Samoylovich, inst.; M. V. YALOVA, U.S.S.R., red.

[Photographic lenses operating under water] Ob"ektiv pod
vodoi. Leningrad, Lenizdat, 1944. 112 p. (MIRA 17:9)

MASSARSKIY, M.V.

Device for glass stick shifting on warping machines. Obm.tekh.opyt.
[MLP] no.36:6 '56. (MIRA 11:11)
(Warping machines) (Hosiery industry--Equipment and supplies)

MASSARSKY, V.I., SMIRIN, S.I.

Boots and Shoes - Trade and Manufacture

Make-up of a size assortment by the factory
distribution department. Leg. prom. 12 no. 4:46
Ap '52

Monthly List of Russian Accessions, Library of
Congress, July 1952. Unclassified

CA MASSART, L.

11-C

Yeast cells and basic dyes. 1. Massart and G. Peeters.
Transac. Faraday Soc. 2, 1949; *Chem. Zvest.* (Russian Zone Ed.)
1949, 1, 1101; cf. *C.A.* 45, 7622a. — Basic dyes inhibit the
respiration and growth of bakers' yeast. These dyes react
with the nucleoproteins and the nucleotides. The baso-
philic character of the yeast depends chiefly upon the con-
tent in ribonucleoproteins, which form electrically charged
adsorption complexes with basic dyes. Ribonuclease can-
not attack such ionic complexes. M. G. Moore

MASSART, L.

Germination inhibitors in sugar beet glomerules and other dry fruits
and grains [in French with summary in Russian]. Biokhimiia 22 no.1/2:
417-420 Ja-P '57. (MIRA 10:7)

1. Laboratoriya biokhimii, Gentskiy universitet, Bel'giya.
(GERMINATION) (PLANTS, EFFECT OF ACIDS ON)

^{G.}
MASSARYGIN, A.; DUDA, Z.
_N

Experience in gas immobilization of swine before slaughtering.
Mias. ind. SSSR 29 no.6:50-53 '58. (MIRA 11:12)

1. Moskovskiy tekhnologicheskij institut myasnoy i molochnoy
promyshlennosti.
(Swine) (Slaughtering and slaughterhouses)

PASSAROVICH, I.G., Cand Biol Sci — (diss) ^{See} "the problem of
physiological substantiation of the pre-slaughter stunning of
cattle with gas mixtures." Mos, 1959. 17 pp (Min of Higher Edu-
cation USSR. Mos Technological Institute of ~~the~~ Meat and Dairy
Industry). 120 copies.

MASSARYGIN, A.G.

Using gas mixtures for stunning animals before slaughtering.
Dokl. Akad. sel'khoz. 24 no.1:39-43 '59. (MIRA 12:2)

1. Vsesoyuznoy nauchno-issledovatel'skiy institut myasnoy
promyshlennosti. Predstavlena akademikom N.G.Belen'kim.
(Slaughtering and slaughterhouses)

MASSARYGIN, FELOR SERGEYEVICH

N/5
752.21
.M.

KAK CHITAT: BALANS PROMISHELENNOGO PREDPRIYATIYA (HOW TO ANALYZE BALANCE SHEETS OF INDUSTRIAL ENTERPRISES) MOSKVA, GOSFINIZDAT, 1956.

98 p. TABLES.

752.21	N/5
611.91	N/5

MASSARYGIN, FEDOR SARGHYEVICH

H/5
725.21
.M2

Bukhgalterskiy Uchet (Cost Accounting, By) F. S. Massarygin (1) 1. 1.
Peklada. Moskva. Gosfinizdat, 1958.
472 P. Tables.
Bibliographical Footnotes.

BAKANOV, M.I., prof.; TATUR, S.K., prof.; KOPNYAYEV, V.P.; MASSARYGIN,
F.S.; ~~SHERKMET~~, A.D.; TIMOFEYEV, S.P.; NEDELIN, S.I.; KONDRAT'YEVA,
A., red.; TELEGINA, T., tekhn.red.

[Course in the analysis of administrative operations] Kurs analiza
khoziaistvennoi deiatel'nosti. Moskva, Gosfinizdat, 1959. 480 p.
(MIRA 13:4)

(Industrial management)

TATUR, Sergey Kuz'mich, prof.; MASSARYGIN, Fedor Sergayevich, dotsent;
SHEREMET, Anatoliy Danilovich, kand.ekonom.nauk; KHROMOVA, Ye.A.,
red.; YERMAKOV, M.S., tekhn.red.

[Analysis of the administrative operations of socialist industrial
enterprises; concise course] Analiz khoziaistvennoi deiatel'nosti
sotsialisticheskikh promyshlennykh predpriatii; kratkii kurs.
Pod red. S.K.Tatura. Izd.2. Moskva, Izd-vo Mosk.univ., 1960.
186 p. (MIRA 13:12)

(Finance)

(Industrial management)

MASSARYGIN, Fedor Sergeyevich, kand.ekonom.nauk; KANTER, A.I., red.;
SAVCHENKO, Ye.V., tekhn. red.

[Business accounting and the profitability of an enterprise]
Khozaschet i rentabel'nost' predpriatiia. Moskva, Izd-vo
"Znanie," 1961. 31 p. (Narodnyi universitet kul'tury: Fakul'tet
tekhniko-ekonomicheskii, no.12) (MIRA 14:12)
(Finance)

KOPNYAYEV, V.P., dots.; MASSARYGIN, F.S., dots.; MANZHEYEV, D.N., dots.; KOPNYAYEV, V.P., dots.; USATOV, I.A., kand. ekonor. nauk; IL'IN, V.M., dots.; KOLYAKOV, D.S.; MOTOV, S.I., dots.; KOROTKOVA, L., red.; MEDVEDEVA, R., red.; TELEGINA, T., tekhn. red.

[Analysis of the financial and economic operations of enterprises] Analiz finansovo-khoziaistvennoi deiatel'nosti predpriiatii. Pod obshchei red. Kopnyayeva. Moskva, Gosfinizdat, 1962. 357 p. (MIRA 15:12)

(Finance) (Industrial management)

11A55A1H + 13

NAGY, Endre, dr.; MASSATH, Ilona, dr.

Studies on the urinary excretion of 17-ketosteroids in skin diseases. Orv hetil 95 no.18:491-493 Ny '54. (EVAL 3:8)

1. A Debreceni Orvostudományi Egyetem Bor és Nemikortani Klinikája (igazgató: Szodoray Lajos dr. egyetemi tanár) és I. Belklinikájának (igazgató: Fernet Béla dr. egyetemi tanár) közleménye.

(DERMATITIS HERPETIFORMIS, urine in

*17-ketosteroids)

(PEMPHIGUS, urine in

*17-ketosteroids)

(STEROIDS, in urine

*17-keto, in dermatitis herpetiformis & pemphigus)

(URINE

*17-ketosteroids, in dermatitis herpetiformis & pemphigus)

HANKISS, Janos, dr.; VAJDA, Istvan, dr.; MASSATH, Ilona, dr.;
FORNET, Bela, dr.

Role of the antidiuretic hormone in disturbances of water metabolism in liver diseases. Orv. hetil. 97 no.40:1100-1103 30 Sept 56.

1. A Debreceni Orvosegyetem I. sz. Belklinikájának (igazgató: Fornet, Bela, dr. egyet. tanár) közleménye.

(LIVER CIRRHOSIS, physiol.

diuresis, role of blood vasopressin in disturbances (Hun))

(VASOPRESSIN, in blood

in liver cirrhosis, role in diuretic disturbances & determ. (Hun))

HANKISS, J.; VAJDA, I.; MASSATH, I.; FORNET, B.

Role of antidiuretic hormone in the fluid metabolism of patients with liver disease. Acta med. hung. 11 no.3:343-350 1958.

1. Department of Internal Medicine, Medical University, Debrecen (Hungary).

(LIVER DISEASES, blood in vasopressin content & relation to disord. of body fluid balance)

(VASOPRESSIN, in blood in liver dis., content & relation to disord. of body fluid balance)

(BODY FLUID BALANCE disord. in liver dis., role of blood vasopressin content)

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L 256:G-65 EED(b)-3/EWT(1)/EWP(j)/EWT(m)/I Pc-4/Pae-2 IJP(c) RM
ACCESSION NR: AP5003788 S/0029/64/000/007/0032/0036

AUTHORS: Zakharov, V.; Korop, P.; Skryagin, L.; Fedchenko, V.; Il'in, D.;
Massayev, K.; Strelkov, V.

35
24
β

TITLE: From aqualung to sport submarine

SOURCE: Tekhnika - molodezhi, no. 7, 1964, 32-36

TOPIC TAGS: ^psubmarine photography, aqualung, swimming, underwater equipment

ABSTRACT: Underwater sporting equipment which can be handcrafted is reported on in this collection of articles. To record underwater scenes, a metal waterproof case has been designed, intended for use with the motion picture camera "Kiev-16." A waterproof flash lamp "EV-5" has been developed which is effective under water up to distances of 0.5 m. It uses two flashlight batteries and has a power of 40 w. Several units can be linked by a synchronizing circuit which fires all lamps when the first lamp flashes. To assist in underwater navigation, a "submerged pilot" has been developed which contains a compass and a log. The log is a four-bladed aluminum 120-mm diameter propeller which turns 300-400 rev in 100 m of path. The blades are set at ~ 45° to the direction of motion and can be twisted slightly

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L 25610-65
ACCESSION NR: AP5003788

for precise calibration of the instrument. Since a swimmer cannot travel much faster than 2.8 km/h, submerged transportation has been developed. The simplest device for underwater travel is a sled towed by a launch, provided with hand controls for depth regulations. A new underwater plastic glider with narrow wings measures 3.5 x 2.4 x 0.8 m. It reaches a speed of 15 km/h when towed, is controlled by horizontal rudders and heeling rudders, and is steered by a rudder on the keel. A device called an aquaped carries bicycle-type pedal gear which turns a screw propeller. The driver, strapped to a saddle, can reach a speed of 5.2 km/h. A more elaborate device called a "submarine scooter," is strapped to the back of a swimmer wearing an aqualung, or is held before him by hand grips. The body is made in two plastic sections covered by thin layers of wood and iron. One compartment contains a 72-amp-h, 24-v storage battery. The other compartment contains the small 350-700-w electric motor and reducing gears. A shaft leads from the rear of this compartment to the screw which can drive it at 10 km/h. The most sophisticated device is the sporting submarine, either the "dry" or the "wet" type. In the "wet" type the submarine is flooded, and the sportsman wear aqualungs. A one- or two-man type, with an airplane-like cabin, is powered by either a bicycle-type pedal (one man - 5.5 km/h, two man - 9 km/h) or by a 1-hp electric motor (15 km/h). Such a submarine may operate at depths of up to 50 m. A model of the "dry" type

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(hermetically sealed) called the "Mermaid," is still in the "dream" stage. It would have a steel hull 4.6 m long and 1.5 m wide and would weigh 1125 kg. A glass conning tower would provide 360-degree visibility. Speeds of 12 km/h would be possible from a 2-hp electric motor supplied by lead storage batteries. The Mermaid could make 24-km trips, and its air supply would be sufficient for 24 hours. The craft would be well supplied with safety features (including compressed gas for emergency surfacing) and with provisions for the sportsman to be able to abandon a disabled submarine. Orig. art. has: 11 figures.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: PH, ES

Card 3/3

MASSAYEV, K.V., (Moskva)

Chemical language of ants. Priroda 52 no.9:107-110 '63.
(MIRA 16:11)

MASSAYEV, K.V. (Moskva)

Keep away from morays. Priroda 53 no.5:120-122 '64.
(MIRA 17:5)

MASSAYEV, K.V. (Moskva)

Annual rings and superlong-range forecasts. Priroda 53 no.6:
116-118 '64. (MIRA 17:6)

MASSAYEV, K.V. (Moskva)

When octopuses are taught "geometry." Priroda 53 no.7:76-80 '64.
(MIRA 17:7)

MADSAZI, F., and others

"Experiments with different mitosis and ferment hindering substances on protozoa and animal tumors" p. 248

(KISERLETES ONYV HUNGARY, Vol. 4, no. 4, Aug. 1952 Budapest, Hungary)

30: Monthly List of East European Accessions, L.C., Vol. 2, No. 7, July 1954, Incl.

RABUKHIN, A.Ye., professor; MASSEN, N.I.; KHOL'TSMAN, A.S. (Moskva)

Significance of Mycobacterium tuberculosis resistance to medicine
in the treatment of pulmonary tuberculosis. Klin.med. 33 no.12:
13-18 D '55. (MLRA 9:5)

1. Iz bol'nitsy "Vysokiye Gory" Mosgorzdravotdela (glavnyy vrach
V.G.Semachatov) i kafedry tuberkuleza Tsentral'nogo instituta
usovershenstvovaniya vrachey (dir. V.P.Lebedeva)
(TUBERCULOSIS) (MYCOBACTERIUM TUBERCULOSIS)

DOBROKHOTOVA, M.N., kand.med.nauk; MASSEN, N.I.; POLYAKOVA, S.G.; IOFFE,
R.A.; GOL'DSHEYN, V.D. (Moskva)

Immediate results of combined chemotherapy with the use of cyclo-
serine. Klin.med. no.3:130-136 '62. (MIRA 15:3)

1. Iz kafedry tuberkuleza (zav. - zasluzhennyy deyatel' nauki
prof. A.Ye. Rabukhin) Tsentral'nogo instituta usovershenstvovaniya
vrachey, Tsentral'noy klinicheskoy bol'nitsy imeni Semashko
Ministerstva putey soobshcheniya (glavnyy vrach A.A Potsubeyenko)
i bol'nitsy "Vysokiye gory" (glavnyy vrach V.G. Samochatov).
(CYCLOSERINE) (CHEM THERAPY)

MASSEN, V.A.

On the quality of bar stock produced by the automobile industry.
Avt. 1 trakt.prom. no.2:6-7 F '57. (MIRA 10:3)

1. Moskovskiy avtozavod imeni Likhacheva.
(Sheet metal work)

SOV/137-59-1-1714

Translation from: Referativnyy zhurnal Metallurgiya, 1959, Nr 1, p 226 (USSR)

AUTHOR: Massen, V. A.

TITLE: The Forge Shop Must be Mechanized Further (Za dal'neyshuyu mekhanizatsiyu v kuznechnom tsekhe)

PERIODICAL: V sb.: Materialy Soveshchaniya glavn. metallurgov z-dov i in-tov avtomob. prom-sti. Nr 4. Moscow, 1958, pp 43-45

ABSTRACT: The author describes steps taken at the forge shop of ZIL (Automobile plant im. Likhachëv) toward a reduced labor consumption in the fabrication of forgings and toward the development of new process technologies. He points to the need for the introduction of a new methodology for the evaluation of the performance of forge shops and for the possible assignment to the shop management of the responsibility of independent planning of the number of workers chargeable to direct operating costs and to overhead.

M. Ts.

Card 1/1

AUTHOR: Massen, V.A., Engineer

SOV/122-58-8-11/29

TITLE: Development Trends in Forging and Press Working Shops
(Puti razvitiya kuznechno-shtampovochnykh tsekhov)

PERIODICAL: Vestnik mashinostroyeniya, 1958, nr 8, pp 32-38 (USSR)

ABSTRACT: The recently built forging shops of the Ford, Chevrolet and Dodge Companies in the United States are briefly described. The practice of raising the heating furnaces above floor level is not considered appropriate to Russian conditions. The large percentage of horizontal forging machines is thought worth copying. In the planning of forging-shop production, the quality and correct dimensions of the rolled products used as forging blanks must ensure guaranteed properties and eliminate oversize blanks. Soviet standards are inadequate and additional intermediate diameters must be provided. The carbon content should be kept within 3 points as in the United States and not 10 points as current in the Soviet Union. The heating of blanks in chamber furnaces and continuous-flow furnaces suffers from low efficiency and bad working conditions. Induction heating introduced at the Moskovskiy zavod malolitrazhnykh avtomobiley (Moscow Plant for Light Motorcars)

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Development Trends in Forging and Press Working Shops

has been economically disappointing. The heating of small batches should be left to flame furnaces since induction heating is cheaper only in mass production (by 20 roubles per ton). Larger generators rated 500 and 700 kW with a frequency of 100 cps are now being installed. Foreign practice featuring two-frequency heating, using industrial frequency to heat up to the temperature where the magnetic properties vanish (768 °C) and high frequency to reach the forging temperature is being examined in the Soviet Union. The rotary-table, induction-heating installation (Standard Motor Co. of Coventry) is worth copying. Rotary table flame heating, as used by Ford and Chevrolet should be introduced, especially with reducing atmospheres. Injector burners (Figure 2) are desirable and have already been introduced at the "Imeni Likhacheva" plant. Extraction of combustion products and hydraulic de-scaling are recommended. The replacement of drop-stamping by hot pressing under crank presses is proceeding. On the inlet valve forging alone the "Imeni Likhacheva" plant saved 180 000 roubles annually for components of substantial length (levers). Forging rolls are suitable, installed between the heating and the

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Development Trends in Forging and Press Working Shops

drop-stamping plants. The first set of rolls have just been erected at the above works. The development of the drop stamping of hollow components is now proceeding. The use of recurrent profile-rolled products is inadequately developed in Russia and amounts to 1.55% compared with 14% in the USA. Hot pressing in crank presses must become the leading process, followed by horizontal machine forging, especially with built-in induction-heating equipment. The automation of forging operations is scheduled for valve and connecting-rod stampings. Mechanised stamping in presses of 2 500 tons capacity requires substantial widening of the press frames. The laborious and floor-space-consuming, normalising treatment should be replaced by austempering in salt baths or isothermal furnaces which lend themselves to locations in the flow line. Quenching and tempering treatment will, in future, be electrical with protective-gas atmosphere. De-scaling is best carried out by shot peening. Equipment has already been in operation for some years. For large forgings, tunnel-type installations with continuous flow are in service. Better surface quality

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Development Trends in Forging and Press Working Shops

of rolled products has eliminated the need for pickling. The planning of forging shops is discussed. Modern shops can be rectangular, rather than E-shaped, where air conditioning replaces special extraction plant for ventilation. A table shows numerical comparisons between Soviet and American shops. The annual output per operative in Soviet shops varies between 22 and 97 tons, compared with 137 at Chevrolet and 167 at Ford. The man-hours spent at the Moscow Works "imeni Likhachev" per ton of forgings are 18 and at the Gor'kiy Automobile Plant 24. The figures for Ford and Chevrolet are 7.6 and 9.9, respectively. There are 4 figures, 1 table and 3 references, 2 of which are Soviet and 1 English.

1. Automobile industry--Development
2. Industrial plants---Equipment
3. Industrial plants---Operation

Card 4/4

MASSEN, V.A.; MILOSLAVSKIY, I.L.; PAVLOV, S.P.; POGODILOV, M.N.; SHEVELEV,
A.Ye.; KUNITSA, S.S.; YAKOVLEV, V.G.; CHESHOKOV, V.K.; KRYLOV,
B.F.; SHIKHANOVICH, B.A.; YAITSKOV, S.A.

Proposals awarded prizes at the 16th All-Union Contest for
Electric Power Economies. Prom.energ. 17 no.10:12-14 0
'62. (MIRA 15:9)
(Technological innovations--Competitions)

MASSEN, V.A.

All-Union Scientific Technological Conference on the
Reliability and Quality of Forging Machines and Power
Presses. Kuz.-shtam. proizvod. 5 no.6:47-48 Je '63.
(MIRA 16:8)

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KRECHKOV, A.I., inzh., red.

[Prevention of oxide formation and methods for cleaning
parts] (Prezidentskiy obrazovaniya i nauka i metody
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KRYMSKIY, I.I.; ~~MASSEN, V.A.~~, inzh., retsenzent; SYTNIK, N.A., inzh.,
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(Dies (Metalworking)) (Forging)

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Multiple kidney adenomas. Magy. onkol. 7 no. 2:81-86 Je '63

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(KIDNEY NEOPLASMS) (ADENOMA)

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On hemoglobin. Pts. 16-17. Chem zvesti 17 no.5:346-358 '63.

1. Katedra biochemie, Lekarska fakulta, Universita P.J. Safarika,
Kosice, Srobarova 57.

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+ Plastics

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Spectral determination of alkali content in slurry and clinker.
T. K. MASSIL'ON AND A. B. KHEL'YANOV. *Tsiment*, 19 (3) 27-29
(1953). - The chief alkali in nepheline slurry and in clinker was
Na₂O; K₂O in the slurry was only a third of the Na₂O + K₂O.
The time required for spectral determination was reduced from 2
hr. to 30 min. by using the method of photometric interpolation.
- Deviation between two determinations was $\pm 0.2\%$. B.Z.K.

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~~MASSILYON, T. K.~~

✓ 2656. Quantitative spectrometric analysis of cement raw materials and clinker. T. K. Massilyon. *Izv. Akad. Nauk SSSR, Ser. Fiz.*, 1956, 19 (1), 98-100; *Ref. Zhur., Khim.*, 1956, Abstr. No. 7146. The determination of Al_2O_3 , Fe_2O_3 , MgO and TiO_2 in cement was carried out on a spectrograph ISP-22 in a variable-current arc. To the lower negative electrode the powdered sample with ethanol is applied as a fine layer. The upper electrode is a copper rod of diam. ≈ 10 mm sharpened into the form of a cone. Three samples of cement analysed chemically are used as standards. The average error is ± 0.5 per cent. (absolute). In analysing nephelite and clinker containing numerous alkaline substances a spark discharge is employed for the cement material and an arc for clinker. Discrepancy among parallel analyses does not exceed ± 0.2 per cent. (absolute). R. Load

MASSIL'ON

USSR/Chemical Technology. Chemical Products and their Application. J-12
Glass. Ceramics. Construction Materials.

Abs Jour: Referat Zh.-Kh , No 8, 1957, 27767

Author : T.K. Massil'on.

Inst : State All-Union Institute of Projecting and Scientific Research
Work in Cement Industry.

Title : Application of Spectral Analysis in Cement Industry.

Orig Pub: Tr. Gos. Vses. in-t po proektir. i nauch.-issled. rabotam v
tsemnt. prom-sti, 1956, vyp.19, 115-125.

Abstract: The moving electrode method was chosen for the determination of the alkali contents; by this method, the pulverized powder under study is uniformly distributed on the surface of a metal plate, which is the bottom electrode. This plate is placed on a platform moved uniformly by a motor thus, that a strip of material 2 to 4 cm long is burnt through while the arc is burning. Ethyl alcohol with the addition of some organic gluing substances was

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USSR/Chemical Technology. Chemical Products and their Application.
Glass. Ceramics. Construction Materials.

J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27767

used for fixing the powder layer on the plate. The spectra were photographed with spectrographs KS-55 and ISP-22 at a 3-lense illumination system in the ultraviolet range. The alternating arc current was of 5 A, the exposition was 30 to 60 sec., the plates were diapositive ones. The exactitude of the determination of alkali contents in nepheline slime by this method as compared with chemical methods was 10% of the determined amount. Two spectrum ranges: 1/2800 - 3100 A and 2/ 3900 - 4300 A were chosen for the quantitative special determination of Si, Al, Mg and Ti in mixtures of raw materials and clinkers; it was possible to pick up analytical spectral lines of these elements in these ranges without a step-by-step weakener. Additions (cobalt oxide, ammonium chloride, carbon) were introduced at the determination of CaO in clinker, they stabilize the burning of the arc, which raises the accuracy of determination.

Card : 2/2

-118-

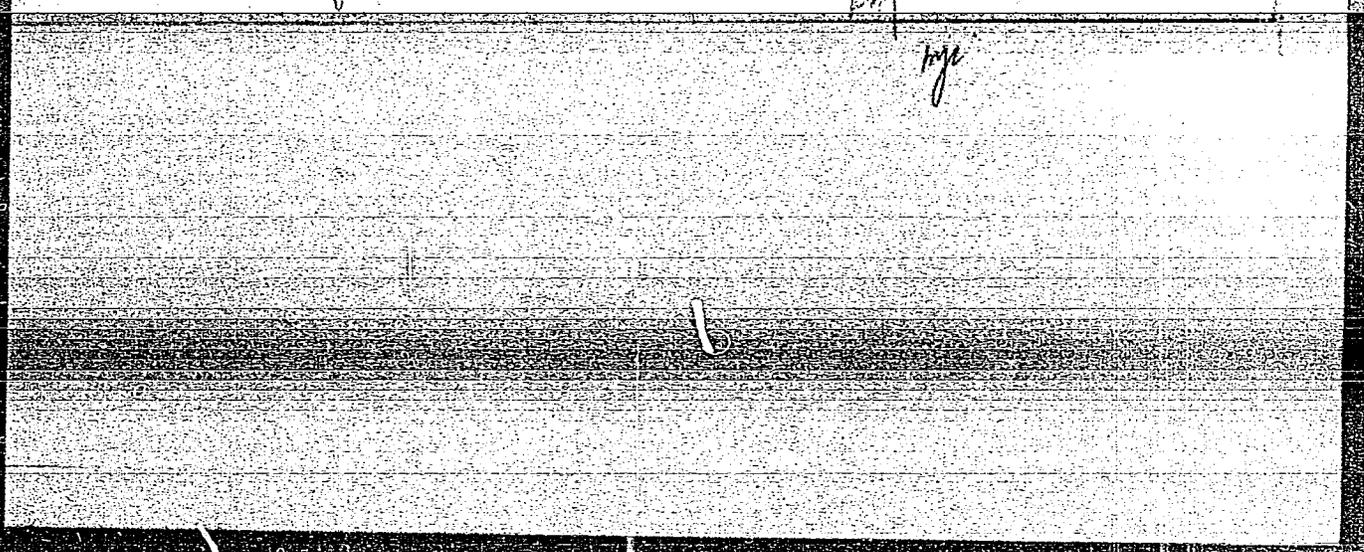
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2 - (N-Carbomethoxy-phenylamino)thiazole. Yg. A.
Luzzo and P. M. Massin. U.S.P. 104,233, Nov. 25,
1961. N-carbomethoxy-phenylamino-thiazole
is prepared with 2-phenylamino-thiazole in the presence of a base



ISOTHA SSIN

Distr: 4E44

2-(N-Carboethoxycarbonyl)aminothiazole
H. H. Busch and Y. A. Levinsky, U.S.P. 107,015, Sept. 26,
1967; read in D. S. N. 104,233 (C.A. 61, 5941b). The
title compound is obtained from 7-carboethoxyaminobenzene-
sulfochloride and 2-aminothiazole under conditions out-
lined (cf. loc. cit.).
M. H. H. H. H.

W

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CA MASSINO, I.A.

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Changes of cholinesterase of the blood and tissues in allergy. I. A. Massino (Kazan. State Med. Inst.): *Arkh. Patol.* 12, No. 1, 30-6(1950).—In dogs, sensitization by horse-serum protein or by typhoid vaccine increases the activity of cholinesterase (I) in the blood by 18%; anaphylactic shock gives an even larger increase; typhus sensitization also leads to increase of I in the brain, liver, skeletal muscle, heart, and alimentary canal. Repeated parenteral administration of serum or bacterial antigens gives a wave-like variation of I with gradual lowering. In anaphylactic shock in rabbits the blood I also rises; it rises similarly in the brain and skeletal muscle, but is unchanged in alimentary canal, lungs, and heart. Addn. *in vitro* of polysaccharide haptens to the cats. from the above-mentioned rabbit or dog organs, which had been sensitized by typhoid, sharply lowers I activity; the haptens was isolated from typhoid bacteria by pptn. with $ClCCO_2H$ of the protein matter, followed by pptn. with $EtOH$.
G. M. Kosolapoff

MASSINO, S. V.
25897

Osnovnyye Etapy V Organizatsii Bor'by Struberkulezom
V SSSR. "yulleten' In-Ta Tuberkuleza Akad.
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SO: LETOPIS NO. 30, 1948

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Cand., Medical Sci.

Chief, Adm. Antituberculosis Aid, Ministry of Public Health, -c1948-.

"Treatment of Pulmonary Tuberculosis by Artificial Pulmonary Tuberculosis by Artificial Pneumothorax," Fel'dsher i Akusher., No. 1, 1948;

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PA 61/.9T70

USSR/Medicine - Tuberculosis - Pre-vention
Jan/feb 49
Medicine - Medical Facilities

"New Steps in the Fight Against Tuberculosis,"
B. Y. Maslino, Prof M. I. Oryebakh, 2 3/4 pp

"Tub Tub" No 1

Reviews recommendations set forth in a directive
of the Council of Ministers 25 Oct 48, "Measures
for Controlling Tuberculosis," among which are
expansion of the compulsory vaccination program,
outfitting of each antituberculosis institute
and dispensary with X-ray and fluoroscopic

61/49T70

USSR/Medicine - Tuberculosis - Pre-vention (Contd)
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equipment, including a mobile X-ray group, in-
creasing the number of hospital beds by 30% over
1948, and allocating 2,500 doctors of the 1949
classes to this work after proper orientation.

61/49T70

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Tuberkulez- Rukovodstvo Dla Patronazhnich Sester Tuberkuleznich Dispanserov
(Tuberculosis- Handbook for Nurses in Tuberculosis Dispensaries), Moscow, 1951.

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"Tuberculosis; A Reference Guide for Physicians", Tuberkulez, spravocnoye rukovodstvo dlya vrachey, second edition, Medgiz, 1952, pp 1-4, 370-376

Trans

M-102, 21 Jan 55

MASSINO, S.V.

Tuberculosis in the mentally ill. Probl. tuberk., Moskva no. 4:
3-10 July-Aug. 1952. (CLML 22:5)

1. Candidate Medical Sciences. 2. Of the Institute of Tuberculosis
(Director -- Z. A. Lebedeva), Academy of Medical Sciences USSR.

MASSINO, S. V., LEVITAN, F. I., and RUBUKHIN, A. Ye.

"Organization of the Fight Against Tuberculosis", Tuberkulez, Chap. 24, pp 341-364, 1952.

SO: Translation-M-809, 10 Oct 1955.

Excerpta Medica 8/5 sec 15 May 55 Tuberculosis & Pulmonary Diseases

1105. MASSINO S. V. *Long-term results of treatment in infants with tb meningitis (Russian text) PROBL. TUBERK. 1954, 1 (37-41) Tables 1

In 559 cases treated in 1947-1949 the mortality was 50%, as compared with 20% in 1952-1953. Fatal relapse occurred in 92 cases. In uncomplicated cases the mortality was only 9.5%, but in cases with neurological complications it was 30.8%. Follow-up of 467 children was carried out for 4 yr. after discharge. Sequelae were seen in 126 (27%); pareses in 72, deafness in 13, blindness in 14, dysarthria in 8, hydrocephalus in 5 and mental disturbances in 42. The incidence of mental disturbances was 31.7% in cases treated with suboccipital puncture and only 18.3% where streptomycin had been injected by lumbar puncture. The importance of the time at which treatment is begun is emphasized. With regard to education, lessons were given in the institutions after a 3-yr. convalescence or according to the individual situation.

Inst. Tuberculosis, Acad. Med. Sci. USSR Kroc - Prague (XX, 7, 8, 15)

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... to ... 1955

1557. MASSINO S. V. * The method and organization of the fight against tb in middle-sized villages (Russian text) SOVETSK. MED. 1954, 9 (24-28)

On the grounds of ministerial decrees, every regional village hospital, irrespective of the number of beds, has a tb doctor since 1954. The dispensary connected with the hospital has been extended, so that the population in a radius of 6 to 7 km. can be examined. Bone tb is treated by a surgeon. The regional phthisiologist organizes the entire fight against tb in co-operation with the district physician. Further, village doctors are instructed with regard to tb. There is also a close connection with the near or further tb centres in the towns. Shortage of beds is compensated by changing the regional hospitals into tb centres. Children with bone tb are treated in the district sanatoria. Of course, the regional institutes are in close contact with the Red-Cross organizations, etc., which makes return to work by the convalescent patient possible. Care is taken of the prophylaxis (improvement of the working conditions, vaccination, sanitary propaganda and instruction).

Frey - Berlin (XV, 17)

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Methods and organizational forms of combating tuberculosis in rural areas. Sov.med. 18 no.9:24-28 S '54. (MLHA 7:11)

1. Iz instituta tuberkuleza (dir. Z.A.Lebedeva) Akademii meditsinskikh nauk.

(RURAL CON DITIONS

tuberc. prev. in Russia)

(TUBERCULOSIS, prevention and control
in Russia, rural areas)

MASSINO, SERGEY VIKTOROVICH

MASSINO, Sergey Viktorovich

MASSINO, Sergey Viktorovich, Academic Degree of Doctor Medical Sciences, based on his defense, 23 March 1955, in the Council of the Department of Clinical Medicine of the Acad Med Sci USSR, of his Dissertation entitled: "Tuberculosis of the mentally ill." For the Academic Degree of Doctor of Sciences.

SO: Byulleten' Ministerstva, Vysshego Obrazovaniya SSSR, List No 20, 8 October 1955, Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

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Scientific session of the Department of Clinical Medicine of the Academy of Medical Sciences of the U.S.S.R., the Institute of Tuberculosis of the Academy of Medical Sciences of the U.S.S.R., and its Yakuts branch. Probl.tub. no.1:71-73 Ja-P '55. (MIRA 8:4)
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MASSINO, S.V.

BERKOS, K.P., kandidat meditsinskikh nauk; MASSINO, S.V., kandidat meditsinskikh nauk

Change in the incidence morbidity of tuberculosis, according to data from several cities of the U.S.S.R. Probl.tub. no.5: 3-10 S-0 '55. (MLRA 8:11)

1. Iz instituta tuberkuleza Akademii meditsinskikh nauk SSSR (dir. Z.A.Lebedeva) (TUBERCULOSIS, epidemiology, in Russia)

MASSINO, S.V.

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34 no.1:77 Ja-F '56 (MLRA 9:5)

(MEDICINE--STUDY AND TEACHING) (TUBERCULOSIS--PREVENTION)

MASSINO, S.V.

"Climatological therapy for pulmonary tuberculosis on the southern
shore of the Crimea." A.V.Ovsiannikov. Reviewed by S.V.Massino.
Probl. tub. 34 no.3:72-74 My-Je '56. (MLRA 9:11)
(CRIMEA--CLIMATOLOGY, MEDICAL) (TUBERCULOSIS)
(OVSIANNIKOV, A.V.)

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MASSINO, S.V., doktor. meditsinskikh nauk

Late results of streptomycin therapy in tuberculous meningitis.
Sov.med.21 no.3:41-46 Mr '57. (MIRA 10:7)

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(TUBERCULOSIS, MENINGEAL, ther.
streptomycin, remote results)

(STREPTOMYCIN, ther. use
tuberc., meningeal, remote results)

~~SECRET~~

Classification mark

1. Epidemiological characteristics of tuberculosis. Source:
1977, 1978, 1979.

2. Tuberculosis (incl. tuberculosis of animals and
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"Organization of tuberculosis control in rural areas" by A.I.Lapina,
V.P.Petrik. Reviewed by S.V.Massino. Probl.tub. 15 no.1:106-107 '57.
(MLRA 10:6)

(TUBERCULOSIS--PREVENTION)
(PUBLIC HEALTH, RURAL)
(LAPINA, A.I.) (PETRIK, V.P.)

MASSINO, S.Y.; UVAROVA, O.A.

Transactions of the Republic Institute of Tuberculosis Research
of the Ministry of Public Health of the Georgian S.S.R., vol. 7.
Reviewed by S.V.Massino, O.A.Uvarova. Probl.tub. 35 no.2:115-117 '57.
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BUNINA, B.Z., prof.; DRABKINA, R.O., prof.; KLEBANOVA, A.A., kand. biolog.nauk; KOSMODAMIANSKIY, V.N., prof.; MODEL', L.M., prof.; RABUKHIN, A.Ye., prof.; STRUKOV, A.I., prof.; STULALO, I.P., prof.; TIMASHEVA, Ye.D., kand.med.nauk; CHISTOVICH, A.N., prof.; SEMELEV, N.A., prof.; EYNIS, V.L., prof., zasluzhennyy deyatel' nauki, otv. red., red.toma; KORNEV, P.G., prof., red.; KUDRYAVTSEVA, A.I., prof. [deceased], red.; LEBEDEV, Z.I., kand.med.nauk, red.; LAPINA, A.I., red.; MASSINO, S.V., doktor med.nauk, red.; SHERANOV, F.V., prof., zasluzhennyy deyatel' nauki, red.; SENCHILO, K.K., tekhn.red.

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(TUBERCULOSIS)

AL', G.E., doktor med.nauk; AMOSOV, N.M., prof.; ANTELAVA, N.V., prof.;
BOGUSH, L.K., prof.; VOZNESENSKIY, A.N., prof.; VIL'NIANSKIY,
L.I., kand.med.nauk; LAPINA, A.A., prof.; MASSINO, S.V., doktor
med.nauk; MIKHAYLOV, F.A., prof.; RABUKHIN, A.Ye., prof.;
KHRUSHCHOVA, T.N., prof.; SHAKLEIN, I.A., prof.; YABLOKOV, D.D.,
prof.; EYNIS, V.L., prof., zasluzhennyy deyatel' nauki, otv.red.;
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red.; STRUKOV, A.I., prof., red.; SHEBANOV, F.V., prof., zaslu-
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MASSINO, S.V., doktor med.nauk

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kand. med. nauk; ZASLAVSKIY, I.D., kand. med. nauk; KUDRYAVITSEVA,
A.I., prof. [deceased]; LAPINA, A.I.; MARKUZON, V.D., prof.; MASSING,
S.V., prof.; NEZLIN, S.Ye., prof.; OYFEBAKH, M.I., prof.; POPEL'TSOV,
K.V., prof.; RABUKHIN, A.Ye., zasl. deyatel' nauki RSFSR, prov.;
ROL'YE, Z.Yu., zasl. deyatel' nauki RSFSR, prof.; SORKINA, L.Z.,
doktor med. nauk; FILIMONOV, N.I., kand. med. nauk [deceased];
YUSKOVETS, M.K., zasl. deyatel' nauki Belorusskoy SSSR, prof., akademik;
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[Epidemiology and the organization of the control of tuberculosis]
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1. Akademiya nauk Belorusskoy SSSR i Akademiya sel'skokhozyaystven-
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MASSINO, S. V., prof; ZAVARSKAYA, I. P.; KORNBLIUM, O. I., kand. med. nauk; MITINSKAYA, L. A., kand. med. nauk; SOKOL'SKAYA, N. S., kand. med. nauk

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(TUBERCULIN--TESTING) (TUBERCULOSIS)

SOKOL'SKAYA, N.S., kand.med.nauk

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1. Iz otdela epidemiologii i organizatsii bor'by s tuberkulezom
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(direktor-deystvitel'nyy chlen AN SSSR prof. N.A. Shmelev)
Ministerstva zdravookhraneniya SSSR.
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